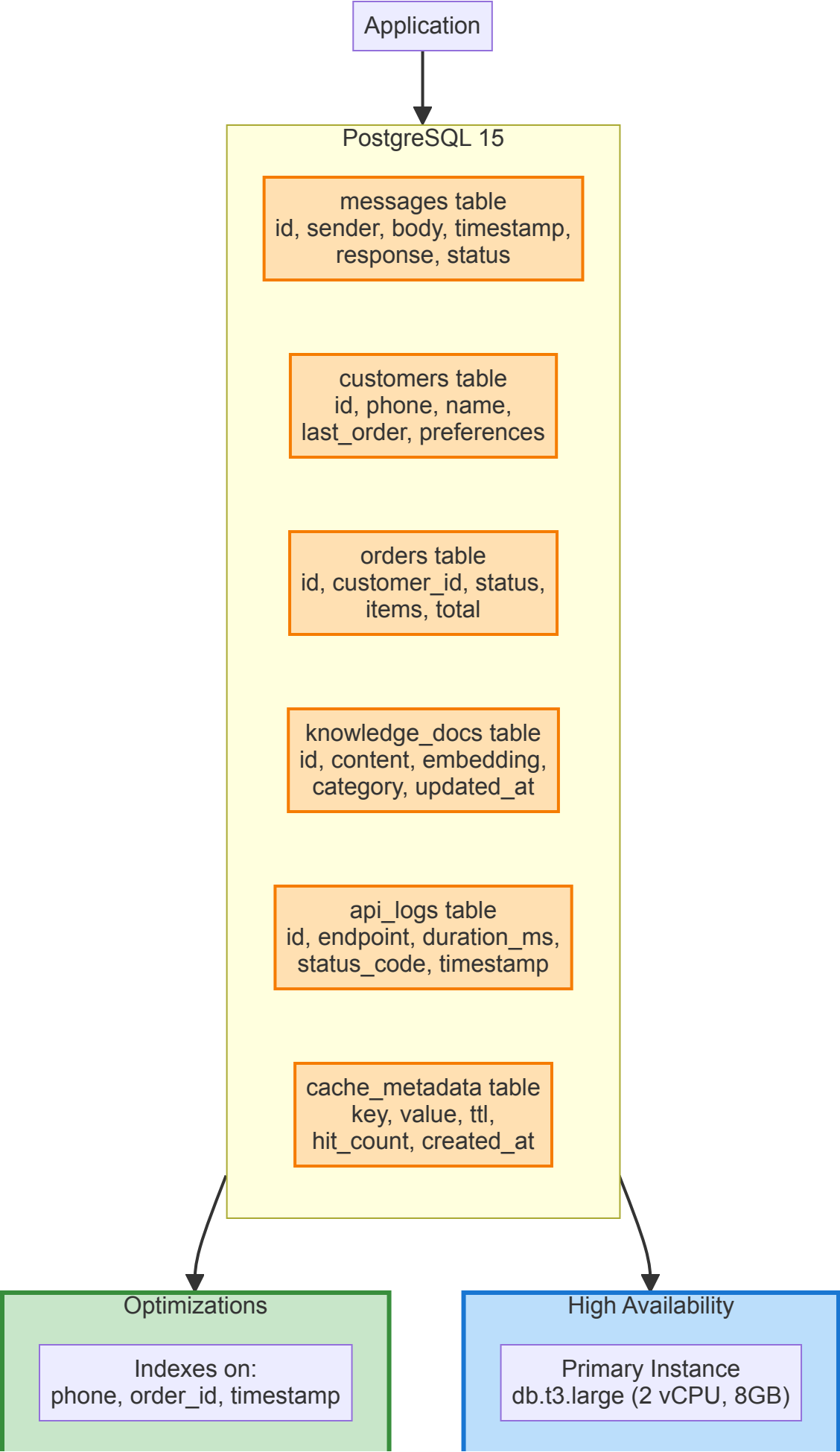


## **DIAGRAM 17: Component #10 - PostgreSQL Database**



JSONB columns  
Flexible schemas

Connection pooling  
50 concurrent connections

pgvector extension  
Vector similarity search

Read Replica 1  
Query distribution

Read Replica 2  
Failover backup

S3 Backups  
Daily snapshots